

Integrating SendGrid Service with python code

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| Team ID | PNT2022TMID23033 |
| Project Name | Skill/Job Recommender Application |

Step 1. Create configuration files for sending email

```
[SETTINGS]
APIKEY=key
FROM=gmail id
TO=mail id
```

Step 2: Create sendmail.py file for sending email

```
C:\Users\91936\Integrating SendGrid Service\sendmail.py

sendmail.py x
1  import configparser
2  import ssl
3  ssl._create_default_https_context = ssl._create_unverified_context
4  from sendgrid import SendGridAPIClient
5  from sendgrid.helpers.mail import Mail
6
7
8  config = configparser.ConfigParser()
9  config.read("config.ini")
10
11  def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
12      if API!=None and from_email!= None and len(to_emails)>0:
13          message = Mail(from_email,to_emails,subject,html_content)
14          try:
15              sg = SendGridAPIClient(API)
16              response = sg.send(message)
17              print(response.status_code)
18              print(response.body)
19              print(response.headers)
20          except Exception as e:
21              print(e.message)
22
23      try:
24          settings = config["SETTINGS"]
25      except:
26          settings = {}
27
28      API = settings.get("APIKEY",None)
29      from_email = settings.get("FROM",None)
30      to_emails = settings.get("TO","")
31
32      subject = "testing of sendgrid"
33
34      html_content = "Message successfully send through Python sendgrid"
35
36      sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
37
```

Step 3: Save the file and run the file via command prompt

```
C:\Users\91936\Integrating SendGrid Service>python sendmail.py
* Serving Flask app 'sendmail'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 755-813-369
```

Step 4: After running the file we will receive the mail from sender